

State of Idaho
Fish and Game Department
John R. Woodworth, Director

Quarterly Project Progress Report
EXPERIMENTAL POND REARING OF SUMMER
CHINOOK SALMON, PAHSIMEROI RIVER, SALMON
RIVER DRAINAGE, IDAHO

Project No. 160.5B2

Contract No. 14-17-0001-2063

Period Covered: July 1, 1969 to October 1, 1969

Columbia River Fisheries Development Program

December, 1969

EXPERIMENTAL POND REARING OF SUMMER
CHINOOK SALMON, PAHSIMEROI RIVER, SALMON
RIVER DRAINAGE, IDAHO

ABSTRACT

A total of 538 summer chinook salmon were counted at the Idaho Power Company weir on the Pahsimeroi River. Ninety-six females and 58 males were retained and spawned to produce 464,150 eggs.

Fish Collection

Chinook were collected at the Idaho Power Company weir on the Pahsimeroi River. A total of 538 chinook passed the weir from June 15 to September 30 in what appeared to be two distinct groups. The initial group arrived at the weir from June 15 to August 19 and the second group from September 5 to 30. No chinook appeared at the weir from August 20 through September 4.

The initial 100 females were retained for egg taking purposes in the holding pond as well as the appropriate number of males to properly fertilize the collected spawn. The remaining 364 fish (68 females and 296 males) were released above the weir to spawn naturally. A twenty fish mortality occurred in the holding pond.

Egg Taking Operations

A total of 464,150 chinook eggs were collected from 96 females and fertilized with the milt from 58 males. Each female produced approximately 4,835 eggs with spawning occurring from September 2 to 15.

The eggs were placed in the incubators at the Pahsimeroi Station for eyeing prior to shipment to the Mackay Hatchery for hatching.

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